WHAT IS CLAIMED IS:

1   1.   A telephone controller that controls plural telephone

2   sets via LAN connected to the Internet, comprising:

3   a receiver that receives a message sent by the telephone

4   set for requesting an IP address;

5   a control circuit that generates the ID and the extension

6   of the telephone set in case the message for requesting the IP

7   address is received;

8   an IP address allocation circuit that allocates the IP

9   address of the telephone set;

10   a table that stores the ID, the extension and the IP

11 address; and

12   a notifying unit that notifies the telephone set of the

13 ID, the extension and the IP address.

1   2.   A telephone controller according to Claim 1, wherein:

2   when its extension or its user name is included in the

3   message for requesting the IP address, the control circuit

4   generates its ID based upon the extension or the user name.

1   3.   A telephone controller according to Claim 1, wherein:

2   the ID is composed of the domain name of the telephone

3   controller, the extension and the user name.

1   4.   A telephone communication system composed of LAN

2   connected to the Internet, a telephone controller and plural

3   telephone sets that mutually communicate via the LAN, wherein:

4   the telephone set is provided with a transmitter that

5   transmits a message for requesting an IP address to the

6   telephone controller; and

7   the telephone controller is composed of a receiver that

8   receives the message for requesting the IP address, a control

9   circuit that generates the ID and the extension of the telephone

10 set in case the message for requesting the IP address is received,

11 an IP address allocation circuit that allocates the IP address

12 of the telephone set, a table that stores the ID, the extension

13 and the IP address and a notifying unit that notifies the

14 telephone set of the ID, the extension and the IP address.

1   5.   A telephone controller according to Claim 4, wherein:

2   when its extension or its user name is included in the

3   message for requesting the IP address, the control circuit

4   generates its ID based upon the extension or the user name.

1   6.   A telephone controller according to Claim 4, wherein:

2   the ID is composed of the domain name of the telephone

3   controller, the extension and the user name.

1   7.   A telephone controller according to Claim 4, wherein:

2   in case a connection request message is sent from the

3   telephone set, the control circuit acquires an IP address

4   corresponding to ID by retrieving the table using the ID

5   included in the connection request message and notifies a

6   telephone set to which the IP address is allocated of call

7   incoming.